

VAIRAMUTHU M

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SUMMARY

Full Stack Developer with 2 years of production experience building scalable Web3 and fintech platforms. Proficient in React.js, NestJS, PostgreSQL, and Kafka; hands-on with AWS infrastructure serving millions of requests. Google Summer of Code 2022 contributor and 15+ international hackathon winner. Passionate about open-source, blockchain governance, and shipping high-impact software.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL, Rust, Solidity

Frameworks & Libs: React.js, Next.js, NestJS, Node.js, Express.js, FastAPI, Vue.js, React Native

Databases: PostgreSQL, MongoDB, MySQL, Supabase, SQLite

Cloud & DevOps: AWS (EC2, S3, SES), GCP, Docker, Kafka, Jenkins, Nginx

Tools: Git, Postman, Figma, Power BI, Tableau

EXPERIENCE

Polkasassembly – Full Stack Developer

Jul 2024 – Jan 2026

Chennai, India

- Architected **Activity Feed and Subscription System** using Kafka event streaming to process 10,000+ on-chain governance events, reducing notification latency by 40% for Polkadot ecosystem users
- Built **Delegation Dashboard and Bounties module** integrating Polkadot API and Substrate for on-chain lifecycle management, increasing governance participation by 30% and supporting \$500K+ in distributed grants
- Optimized NestJS and PostgreSQL microservices via query indexing and caching, improving API response times by 35%; maintained AWS infrastructure (EC2, S3, SES) serving 1M+ monthly requests

Synlian QF – Full Stack Developer

Dec 2023 – Jun 2024

Chennai, India

- Automated end-to-end QA pipelines using Selenium and Cypress integrated into Jenkins CI/CD, **reducing regression testing time by 60%** across 3 product modules
- Developed RESTful APIs and Power BI dashboards in React.js enabling real-time KPI visualization for 200+ internal users, improving reporting turnaround by 45%

Google Summer of Code 2022 – Open Source Intern, Drupal

May 2022 – Sep 2022

Remote

- Selected from 700+ global applicants (approx. 2% acceptance rate) to build reusable **Lit-Element web components** for decoupled Drupal, enabling both API-driven and Twig-based rendering; adopted by 5+ Drupal community projects

Limra – SDE and Data Analyst Intern

Sep 2022 – May 2023

Chennai, India

- Automated data collection pipelines with Selenium, **eliminating 70% of manual reporting effort**; developed React.js frontend features improving user engagement by 25%

PROJECTS

Polkasassembly Governance Platform | React.js, NestJS, PostgreSQL, Kafka, Tailwind CSS, AWS

[Link](#) | Jul 2024 – Jan 2026

- Shipped Activity Feed, Delegation Dashboard, and Bounties modules for **50,000+ ecosystem users**; implemented Kafka and Subsquid indexer for real-time on-chain event processing with sub-second response times
- Deployed and scaled AWS infrastructure (EC2, S3, SES) handling **1M+ monthly requests**; collaborated across Core and Dev teams shipping production features on 6-week sprint cycles

Proof of Personhood | Next.js, Polkadot API, Substrate, Subsquid, Ink Framework

[Link](#) | Jan 2025

- Built a **decentralized identity verification platform** integrating Polkadot API and Substrate with cryptographic attestations and blockchain wallet authentication, generating tamper-proof on-chain identity credentials without compromising user privacy

Intentify | Next.js, Solidity, Mastra AI, Wormhole, Self Protocol

[Link](#) | Mar 2025

- Engineered an AI-powered cross-chain DeFi automation platform converting **natural language commands into gasless on-chain strategies** via Circle CCTP, 1inch, and Zircuit; built modular execution pipelines with safety guards preventing invalid transaction execution

EDUCATION

Jaya Engineering College – B.E. Computer Science

CGPA: 8.42 | Sep 2020 – Jun 2024 | Chennai, India

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Artificial Intelligence, Blockchain, Databases, Networking

ACHIEVEMENTS

- Google Summer of Code 2022** – Selected from 700+ global applicants (approx. 2% acceptance); delivered Drupal open-source components now adopted by 5+ community projects
- Hackathon Champion** – Won 15+ international hackathons including ETHIndia, ETHSingapore, ETHBangkok, Starknet, and APTOS; invited as Chief Guest at KIOT and Sairam Engineering College hackathons
- Open Source and Mentorship** – 6,500+ GitHub contributions; mentored 500+ students across NIT Rourkela, Bangladesh Blockchain Bootcamp, and 5+ engineering colleges as guest lecturer